

IN THE CLAIMS

Please amend claims 1, 3 and 4 and add new claims 5-20 as follows.

1. (Currently Amended) A continuously variable transmission ~~continuously changing rotation of a primary pulley driven by an engine and for~~ transmitting ~~[[the]] a~~ rotation of a primary pulley to a secondary pulley through a drive belt and continuously changing a speed ratio between the pulleys, the continuously variable transmission comprising:

a fan blade ~~sending cooling air to said pulleys and said belt and~~ provided to at least one of said primary pulley and said secondary pulley; ~~[[and]]~~

a case rotatably accommodating said one of the pulleys;

a shroud wall formed about a circumference of said one of the pulleys, and

a scroll surface formed on said shroud wall and said case about a circumference of said one of the pulleys ~~in a case rotatably accommodating said primary pulley and said secondary pulley from an intake region of the cooling air toward a discharge region thereof so as to gradually away from a top face of said fan blade in a radial outer direction, wherein~~

a clearance in a radial direction of said one of the pulleys between an outermost end of said fan blade and said scroll surface increases with a rotational direction of said fan blade.

2. (Original) A continuously variable transmission according to claim 1, further comprising:

an intake port for introducing the cooling air into said case; and
an exhaust port for exhausting the cooling air therefrom,
wherein the intake and exhaust ports are formed in said case.

3. (Currently Amended) A continuously variable transmission according to claim 1, further comprising:

an unidirectional airflow plate provided in said case and making unidirectional the cooling air introduced onto said scroll surface to ~~[[a]]~~ said rotational direction of said fan blade.

4. (Currently Amended) A continuously variable transmission according to claim ~~[[2]]~~ 3, ~~further comprising: wherein~~

~~[[an]]~~ said unidirectional airflow plate ~~provided in said case and making unidirectional the cooling air introduced~~ is attached onto said scroll surface ~~[[to]]~~ along ~~[[a]]~~ said rotational direction of said fan blade.

5. (New) A continuously variable transmission according to claim 1, wherein said clearance gradually increases over about a quarter of said one of the pulleys.

6. (New) A continuously variable transmission according to claim 1, further comprising:

an intake region for intaking a cooling air into said fan blade, wherein
said clearance gradually increases from said intake region.

7. (New) A continuously variable transmission according to claim 6, further comprising:

an intake port for introducing said cooling air into said case, wherein
said intake port is formed near said intake region.

8. (New) A continuously variable transmission according to claim 1, further comprising:

a discharge region for discharging a cooling air from said fan blade, wherein
said clearance gradually increases toward said discharge region.

9. (New) A continuously variable transmission according to claim 8, further comprising:

an exhaust port for exhausting said cooling air from said case, wherein
said exhaust port is formed near said discharge region.

10. (New) A continuously variable transmission according to claim 1, wherein said scroll surface is formed on an inner surface of said case.

11. (New) A continuously variable transmission according to claim 1, wherein said scroll surface is formed along where said one of the pulleys and said drive belt contact to each other.

12. (New) A continuously variable transmission according to claim 1, wherein said shroud wall is arranged independently from an inner surface of said case extending

along said circumference of said one of the pulleys.

13. (New) A continuously variable transmission according to claim 1, further comprising an intake port for introducing a cooling air into said case, wherein said shroud wall is arranged near said intake port.

14. (New) A continuously variable transmission according to claim 1, wherein said shroud wall extends out from an inner surface of said case in forming said scroll surface.

15. (New) A continuously variable transmission according to claim 1, wherein said shroud wall has a base provided on an interior surface of said case and a free end.

16. (New) A continuously variable transmission according to claim 1, wherein said shroud wall and case represent a combination that is monolithic.

17. (New) A continuously variable transmission according to claim 1, wherein said shroud wall curves about said one of the pulleys so as to extend within an interior region of a loop path defined by said belt.

18. (New) A continuously variable transmission according to claim 1, wherein an interior surface of said case extends to opposite sides of said shroud wall so as to have said shroud wall increase an amount of scroll surface conformance to a rotation travel path of an outer surface of said one of the pulleys.

19. (New) A continuously variable transmission according to claim 1, wherein said shroud wall extends radially inward relative to an interior surface of said case.

20. (New) A continuously variable transmission according to claim 11 wherein said shroud wall has a curvature which follows along a region of said one of the pulleys which region includes a first a sub-region wherein said pulley is in contact with the said drive belt and a second sub-region wherein said pulley is free of contact with said drive belt.